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	AR	305 Saccharomy	ces cerevisiae	, "Regulated expr : Nuclear entry a 1354-1358, Nation	and biological	consequence	s," Proc.		
	AS	105 Lambda Sit	Bauer, C.E., et al., "Extent of Sequence Homology Required for Bacteriophage Lambda Site-specific Recombination," J. Mol. Biol. 181:187-197, Academic Press. Inc. (1985).						
	Brent, R., and Ptashne, M., "A bacterial repressor protein or a yeast transcriptional terminator can block upstream activation of a yeast gene," Nature 312:612-615, Macmillan Journals, Ltd. (1984).								
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	AS	106	Integrated Ca	assettes of I	R.M., "Expression of Integrons," Antimic robiology (1995).	of Antibiot crobial Age	ic Resistance nts Chemother	Genes in the . 39:155-162,	
	AT	106	Current Prote	ocols in Mole	utagenesis Using tl ecular Biology 1:8 Inc. (1997).	he Polymera .5.1-8.5.10	se Chain Reac , Ausubel, F.	tion," in M., et al.,	
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	AS	107 ./	in Current P	inbaum, R., "Vectors Derived from Plasmids: Introduction to Plasmid Biology," Current Protocols in Molecular Biology 1:1.5.1-1.5.17, Ausubel, F.M., et ., eds., John Wiley & Sons, Inc. (1998).						
	AT	107 	Mediate Inve	rsion of a S Salmonella,	K., "Trans-acting pecific DNA Segment " Cold Spring Harb. (1981).	: Involved i	n Flagellar	Phase		
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FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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	AS	LOB Klippel, A., et al., "Isolation and characterization of unusual gin mutants," EMBO J. 7:3983-3989, IRL Press, Ltd. (1988).							
	Koch, C., et al., "Escherichia coli host factor for site-specific DNA inversion: Cloning and characterization of the fls gene," Proc. Natl. Acad. Sci. USA 85:4237-4241, National Academy of Sciences (1988).								
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FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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	AS	Osuna, R., et al., "Identification of two functional regions in Fis: the N-terminus is required to promote Hin-mediated DNA inversion by not λ excision," EMBO J. 10:1593-1603, Oxford University Press (1991).							
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FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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	AS Sauer, B., "Expression and Functioning in Yeast of a Bacterial Site Specific Recombination System," J. Cell. Bio. Chem. Supp. 10(b):242, Abstract No. 1340, Alan R. Liss, Inc. (1986).							
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	AS	113	Copy of co-pending U.S. Application No. 10/640,422, inventors Cheo et al., filed on August 14, 2003 (NOT PUBLISHED).						
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